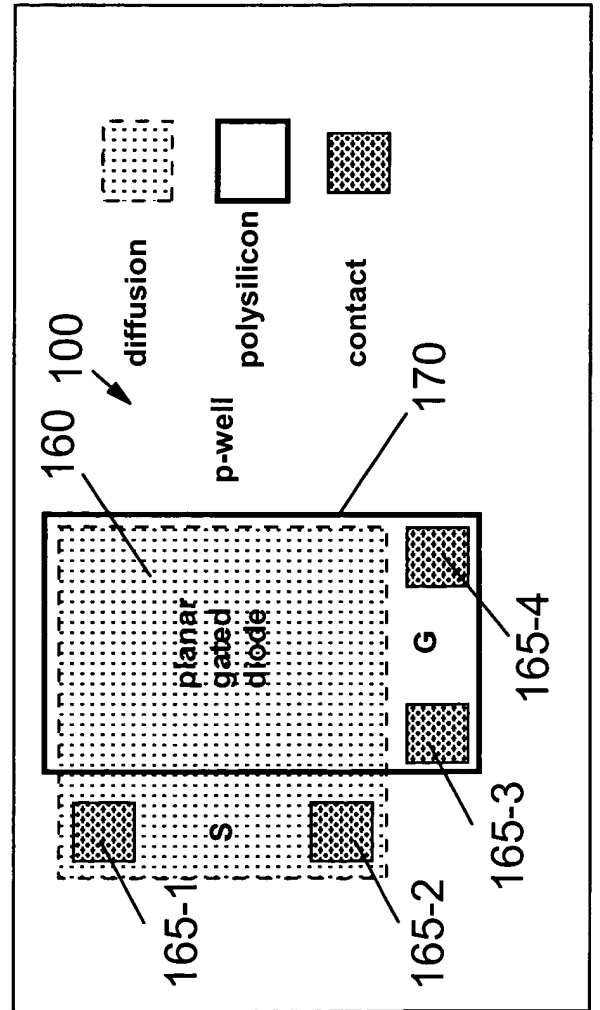
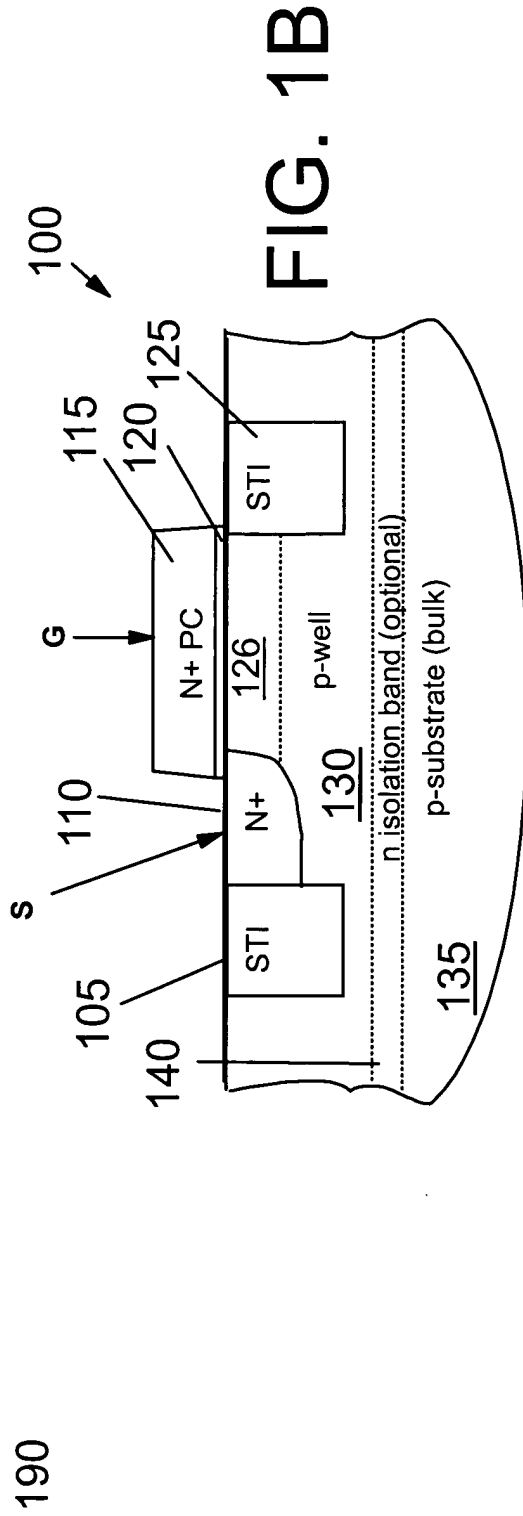


FIG. 1A



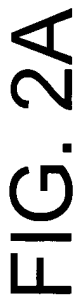


FIG. 2B



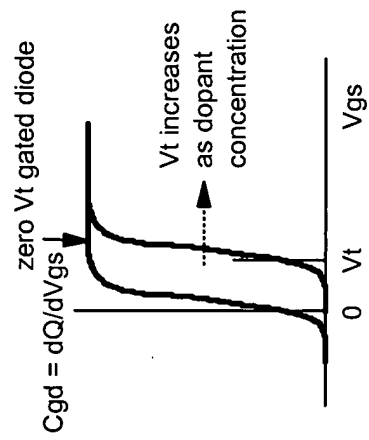


FIG. 3A

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Gated Diode Capacitance vs Gate-to-Source Voltage (V_{gs})
Each curve represents a different gated diode gate size.
threshold voltage = 0.2 V

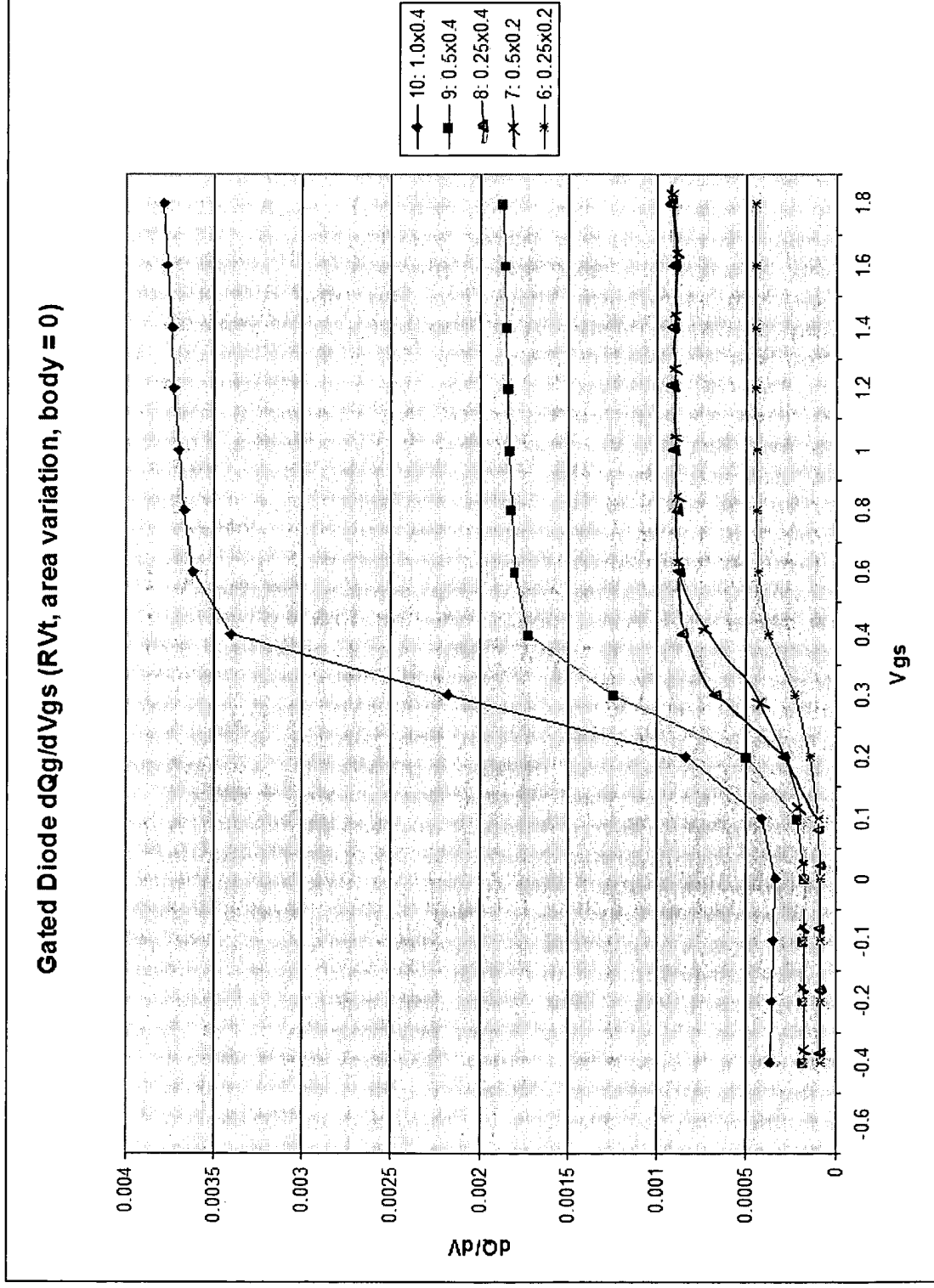


FIG. 3B

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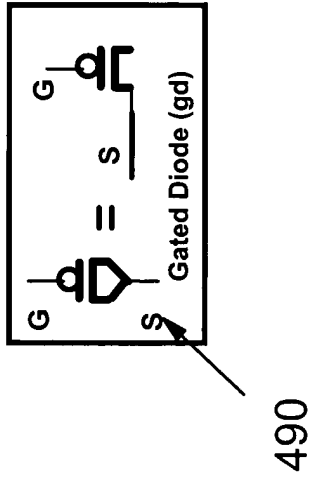


FIG. 4A

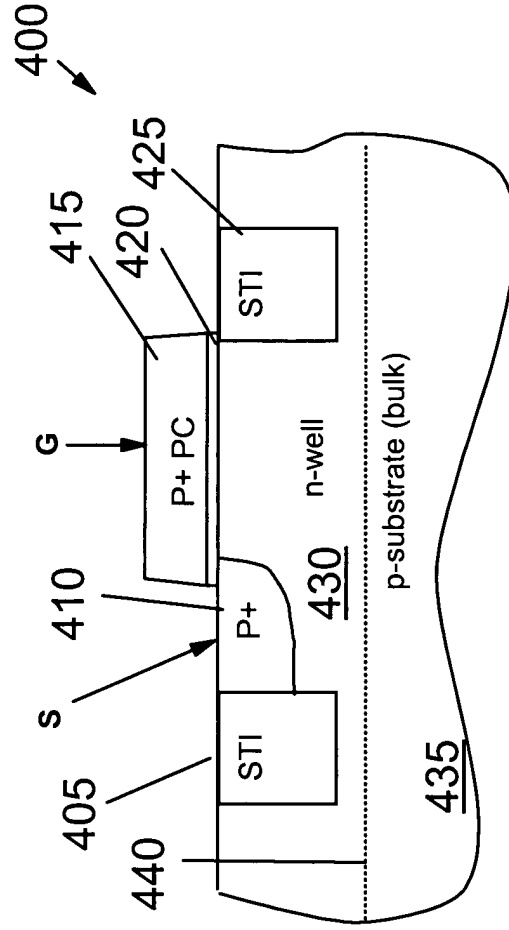


FIG. 4B

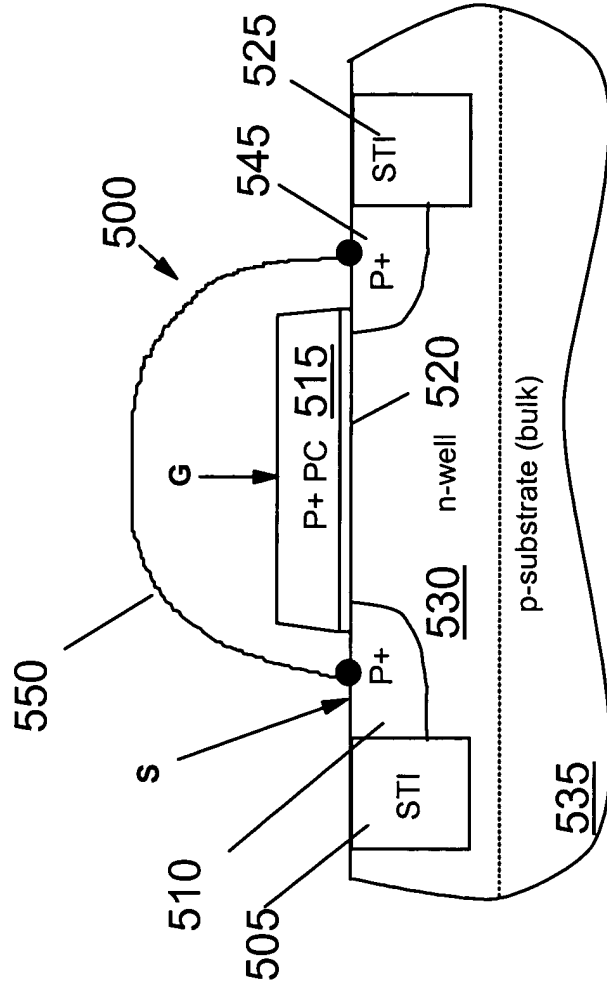
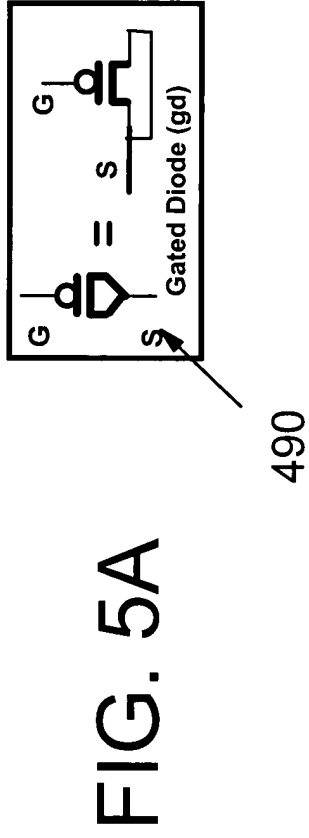


FIG. 5B

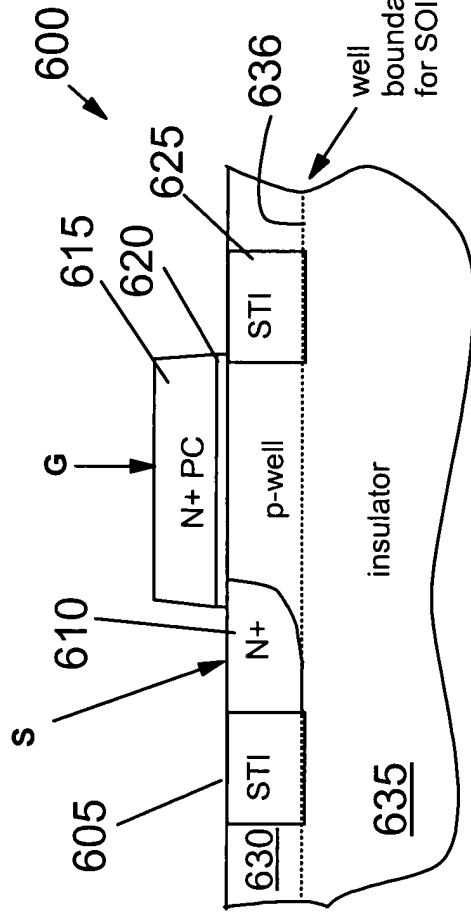


FIG. 6

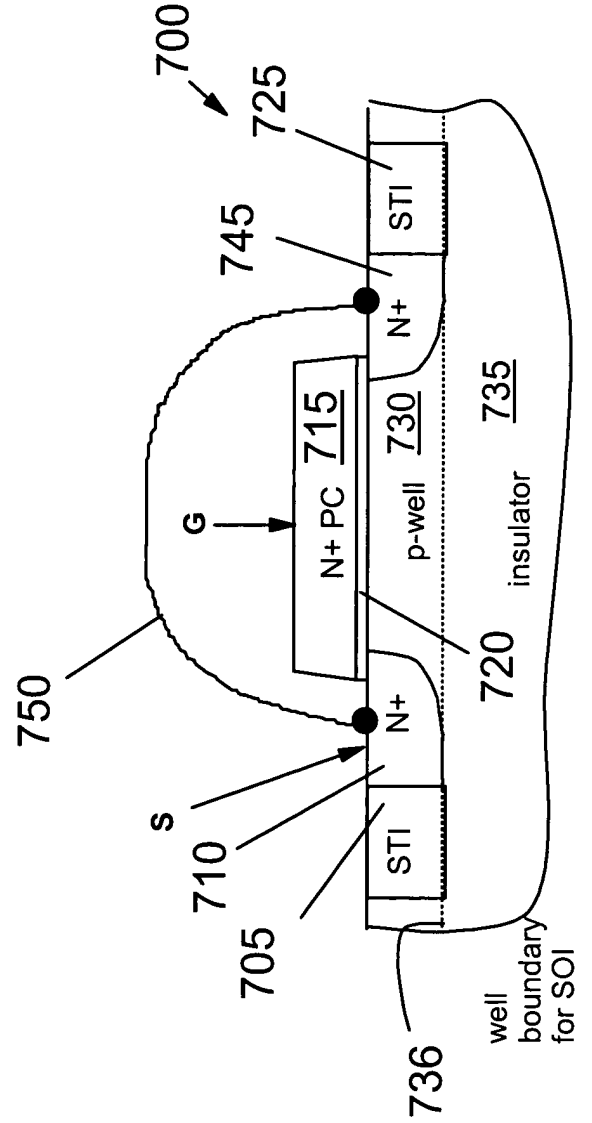


FIG. 7

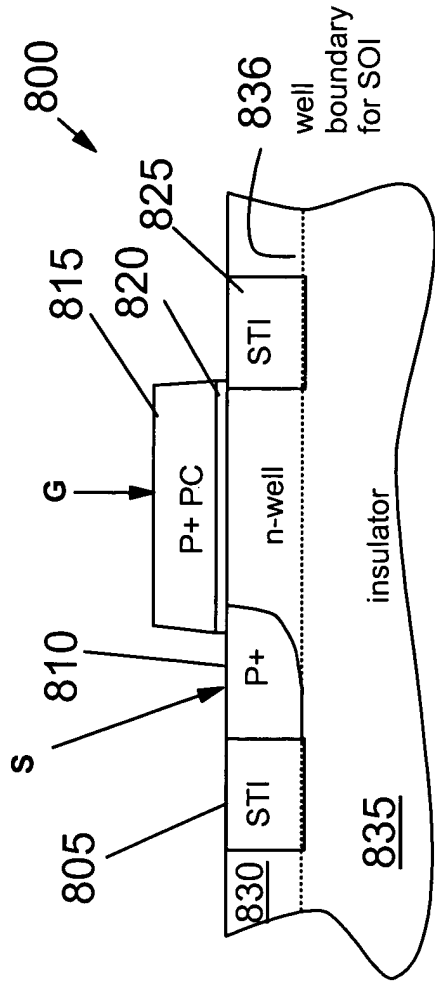


FIG. 8

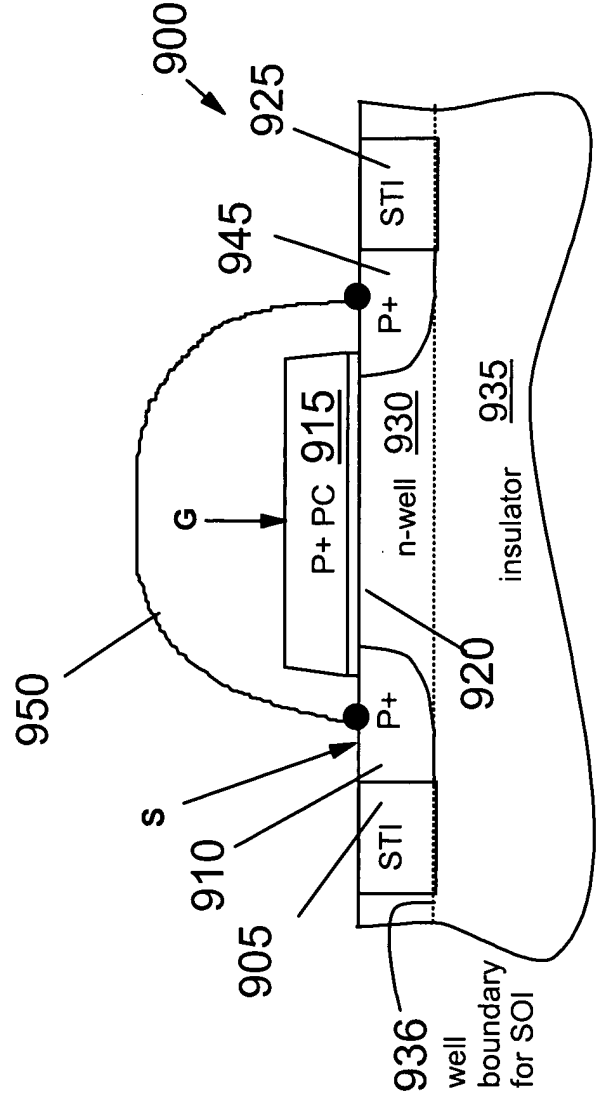


FIG. 9

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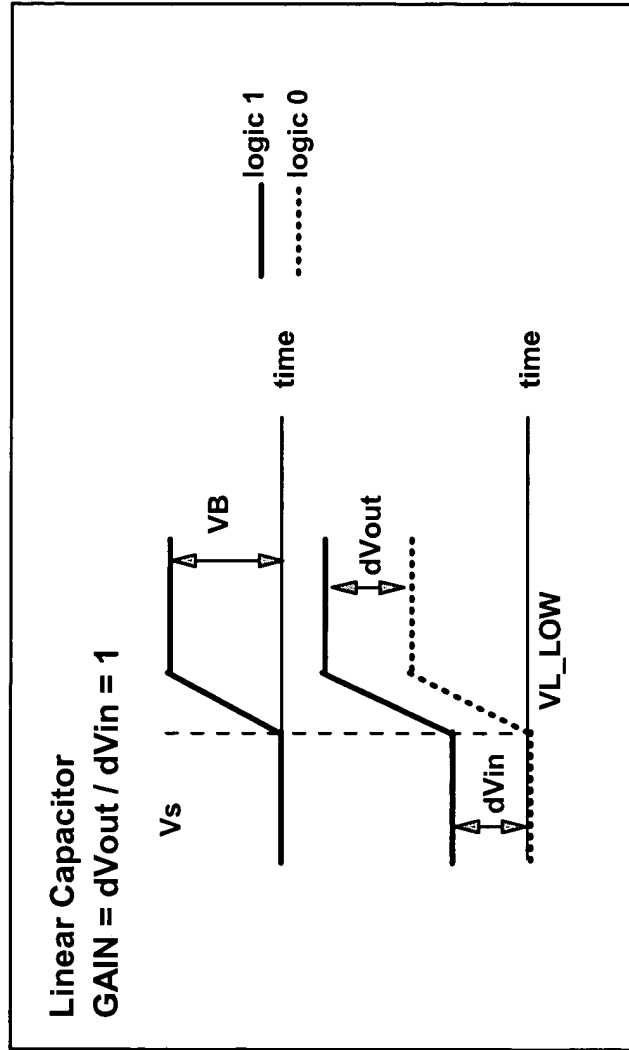
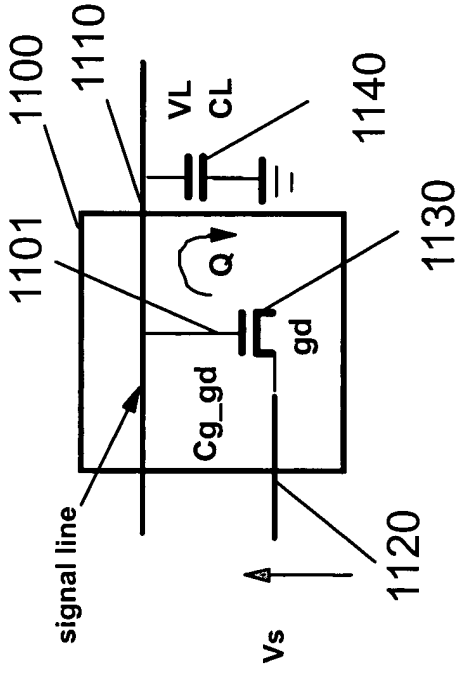


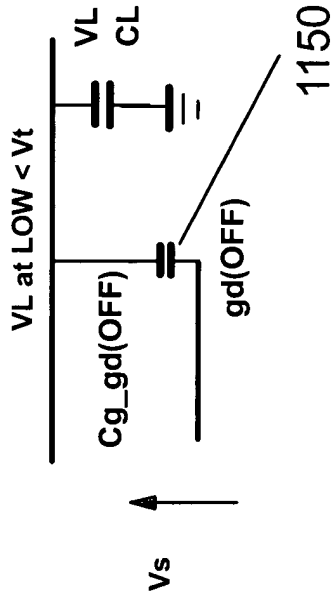
FIG. 10

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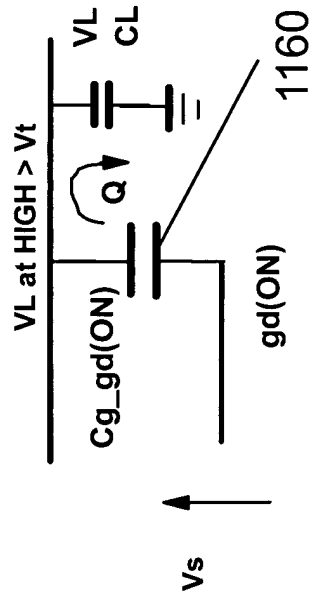
Gated Diode Amplifier



Gated Diode Amplifier representative circuit



Gated Diode Amplifier representative circuit



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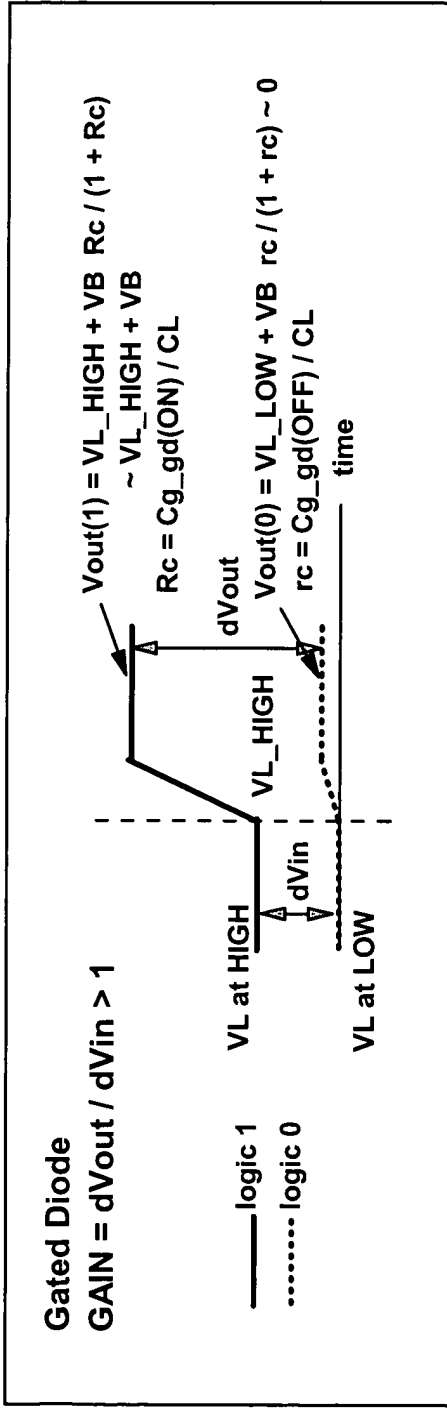


FIG. 12A

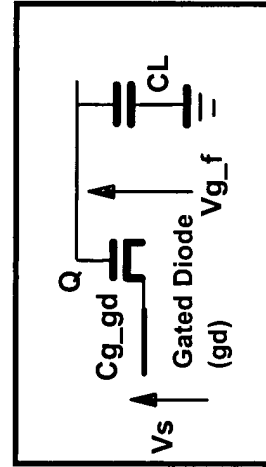


FIG. 12B

FIG. 12C

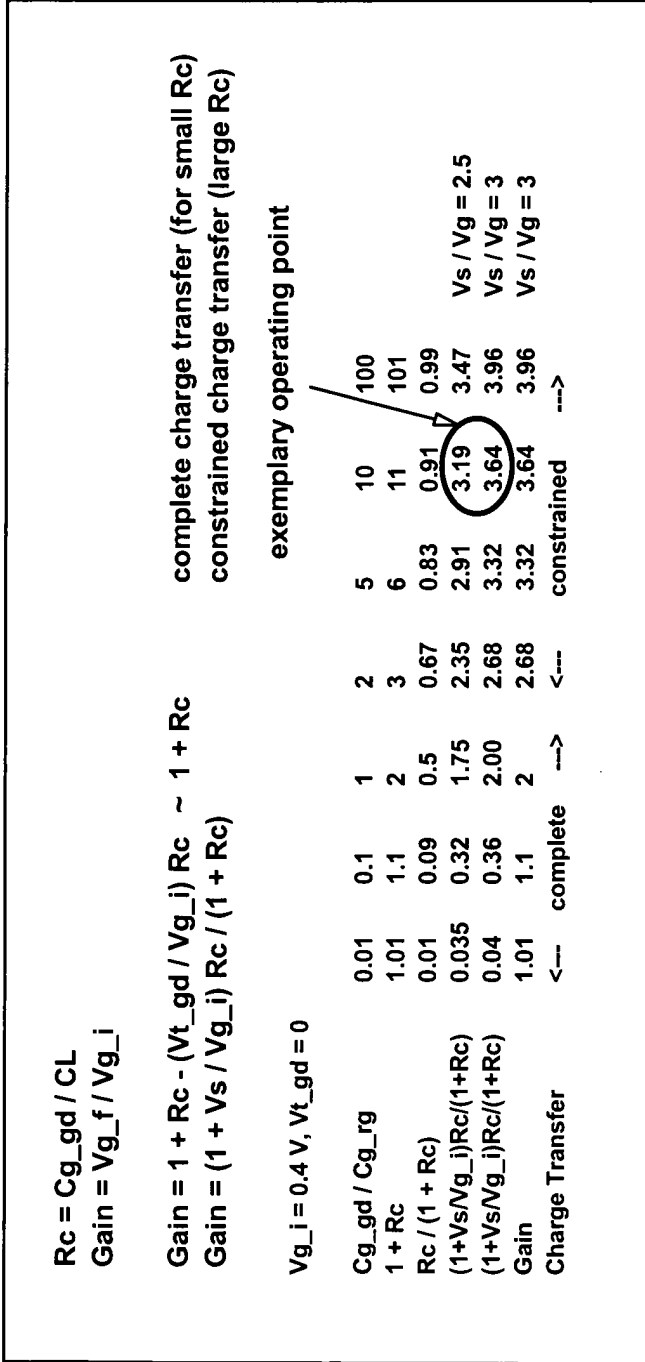
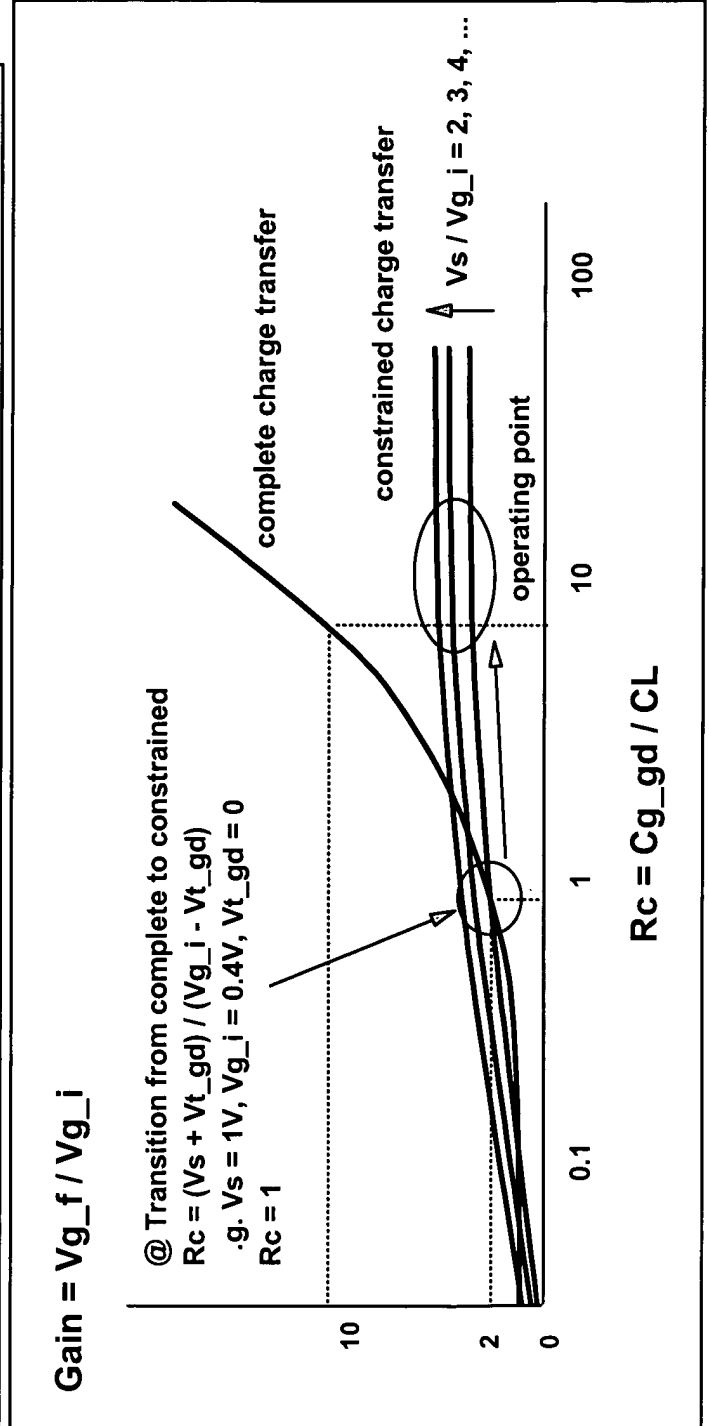


FIG. 12D



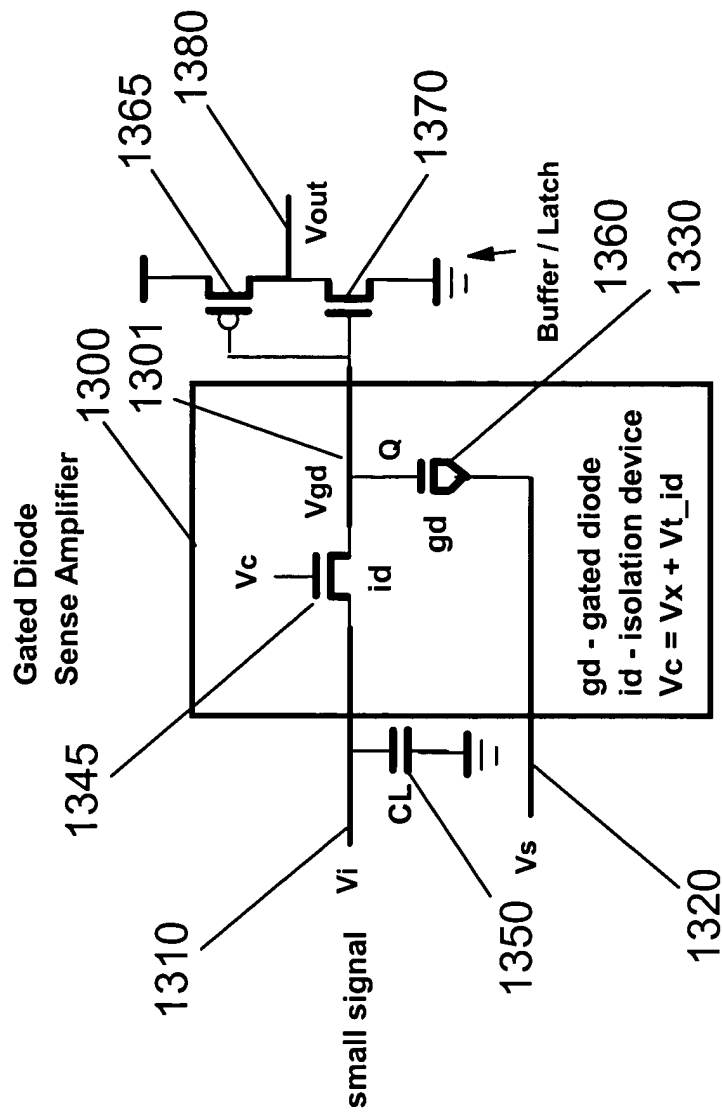


FIG. 13

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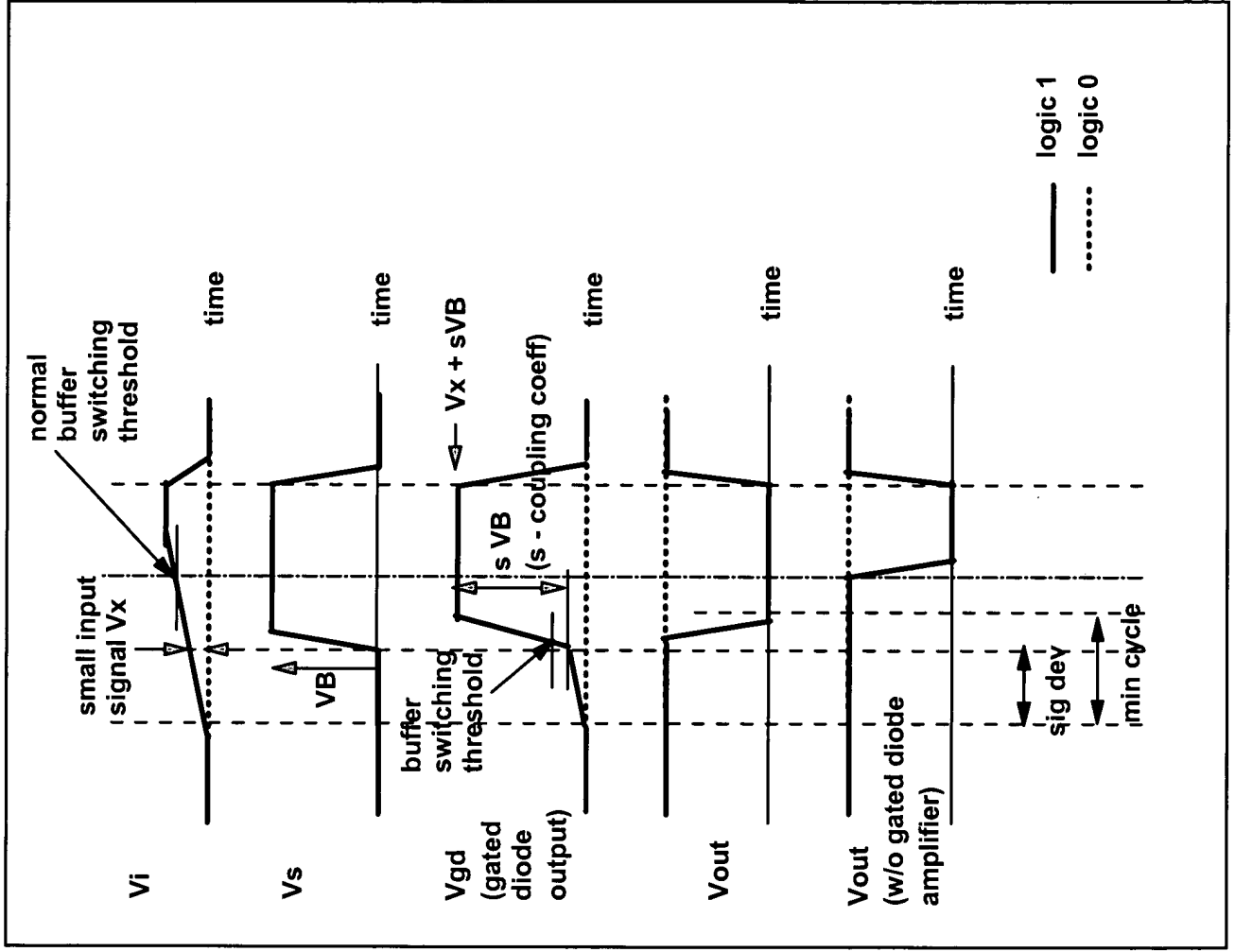


FIG. 14

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FIG. 15

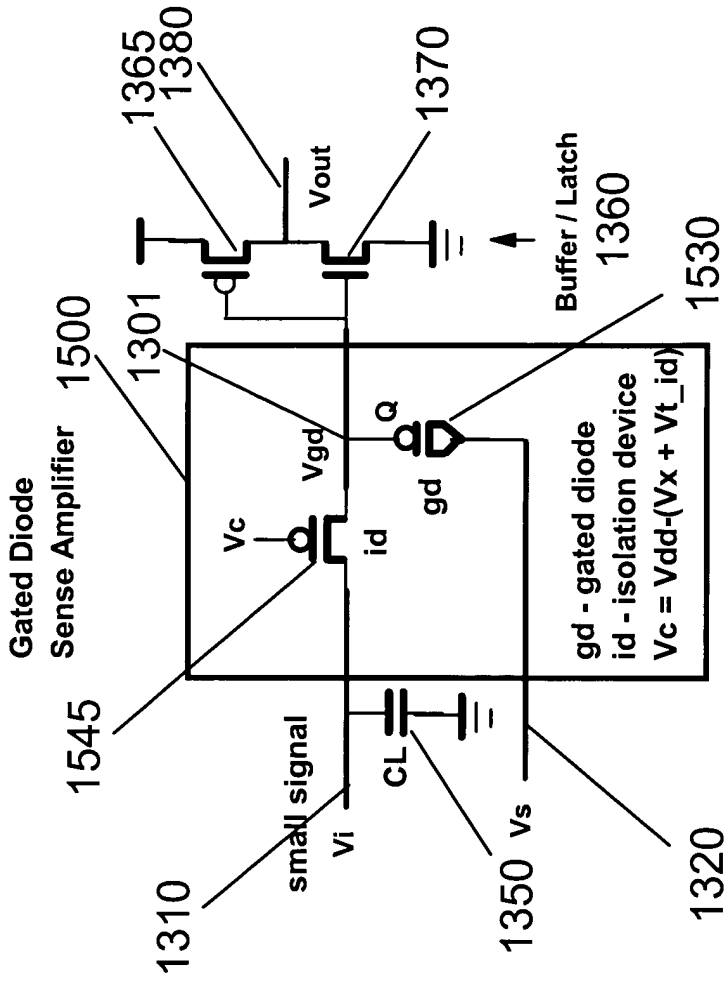


FIG. 16

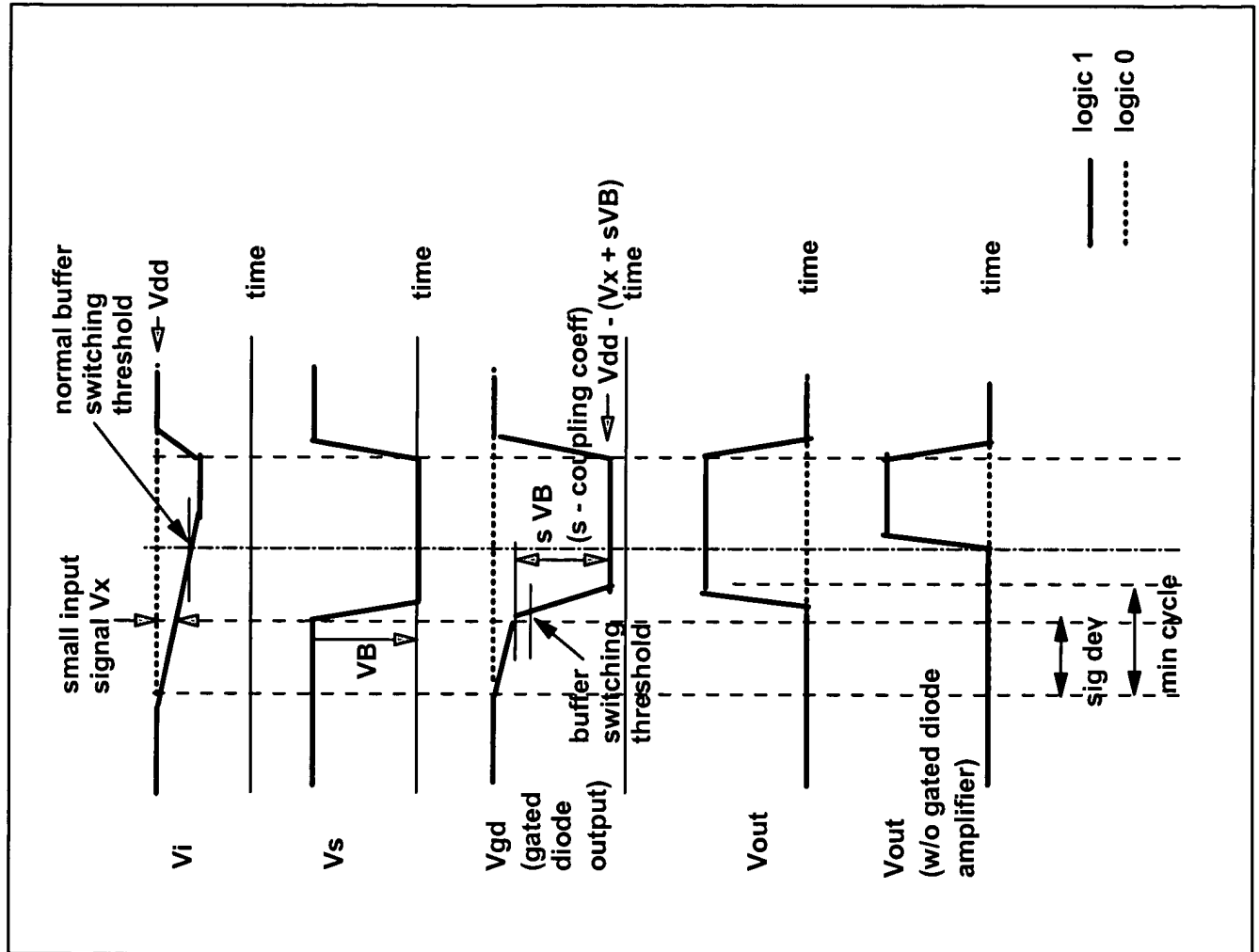
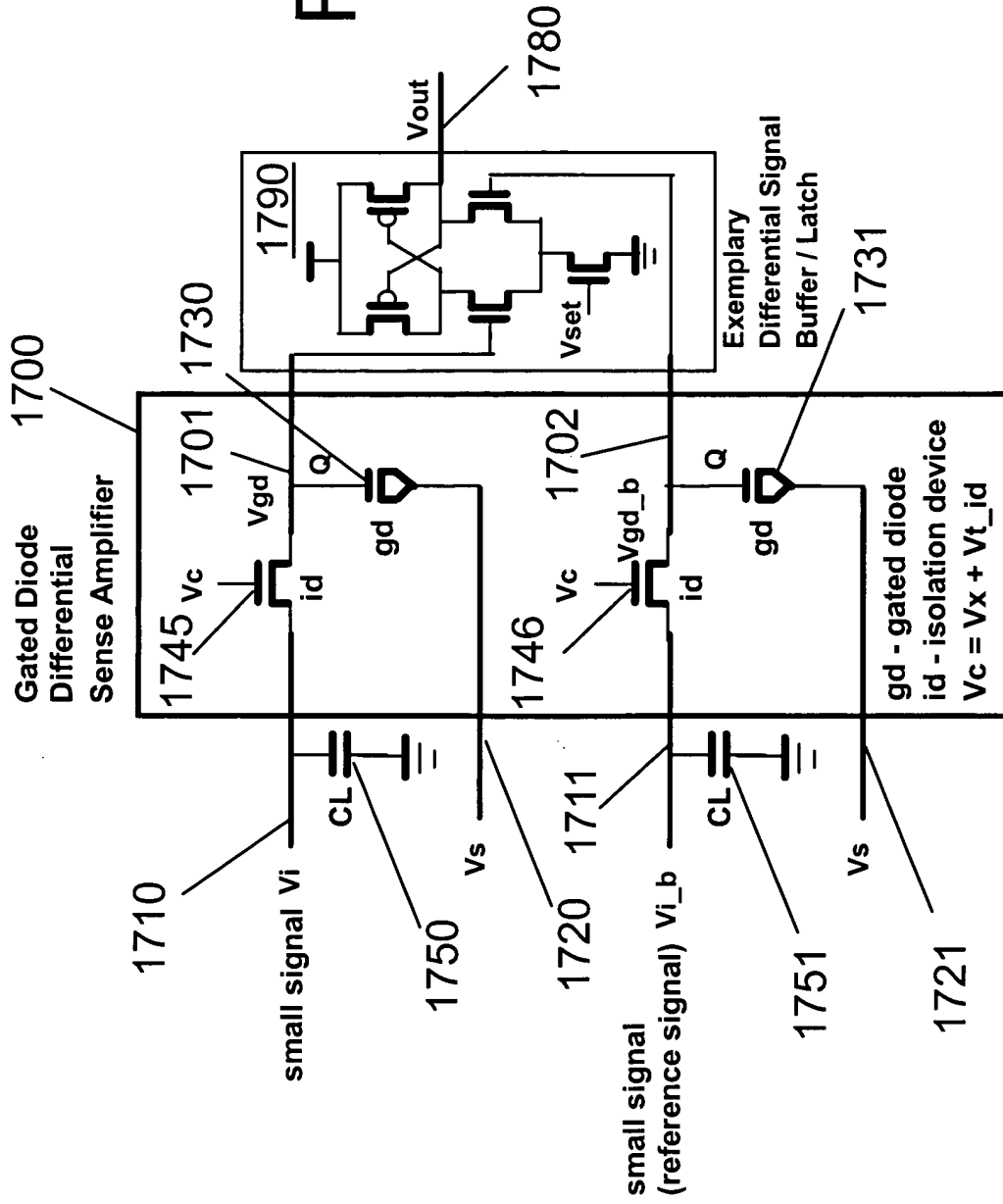


FIG. 17



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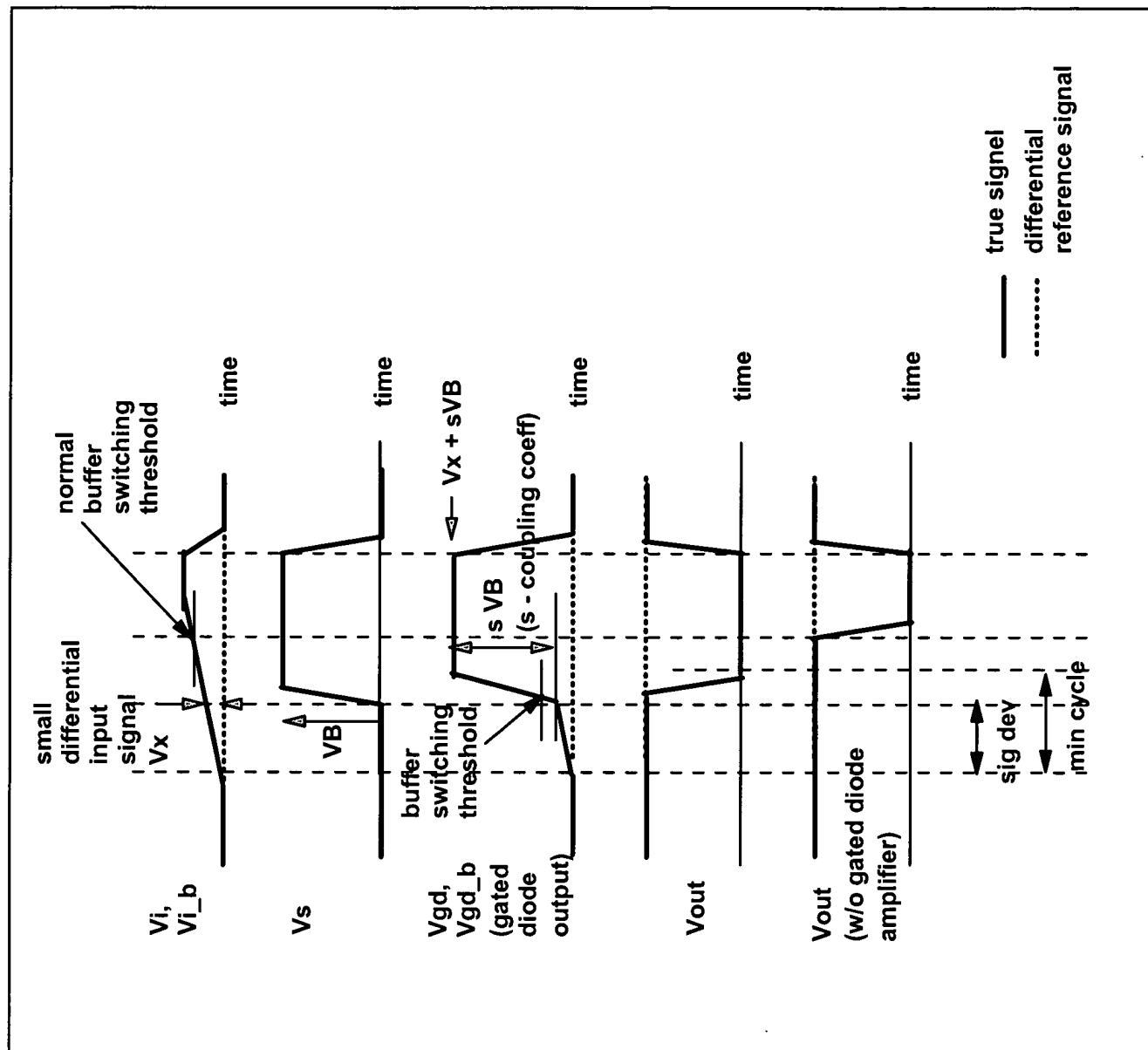


FIG. 18

FIG. 19A

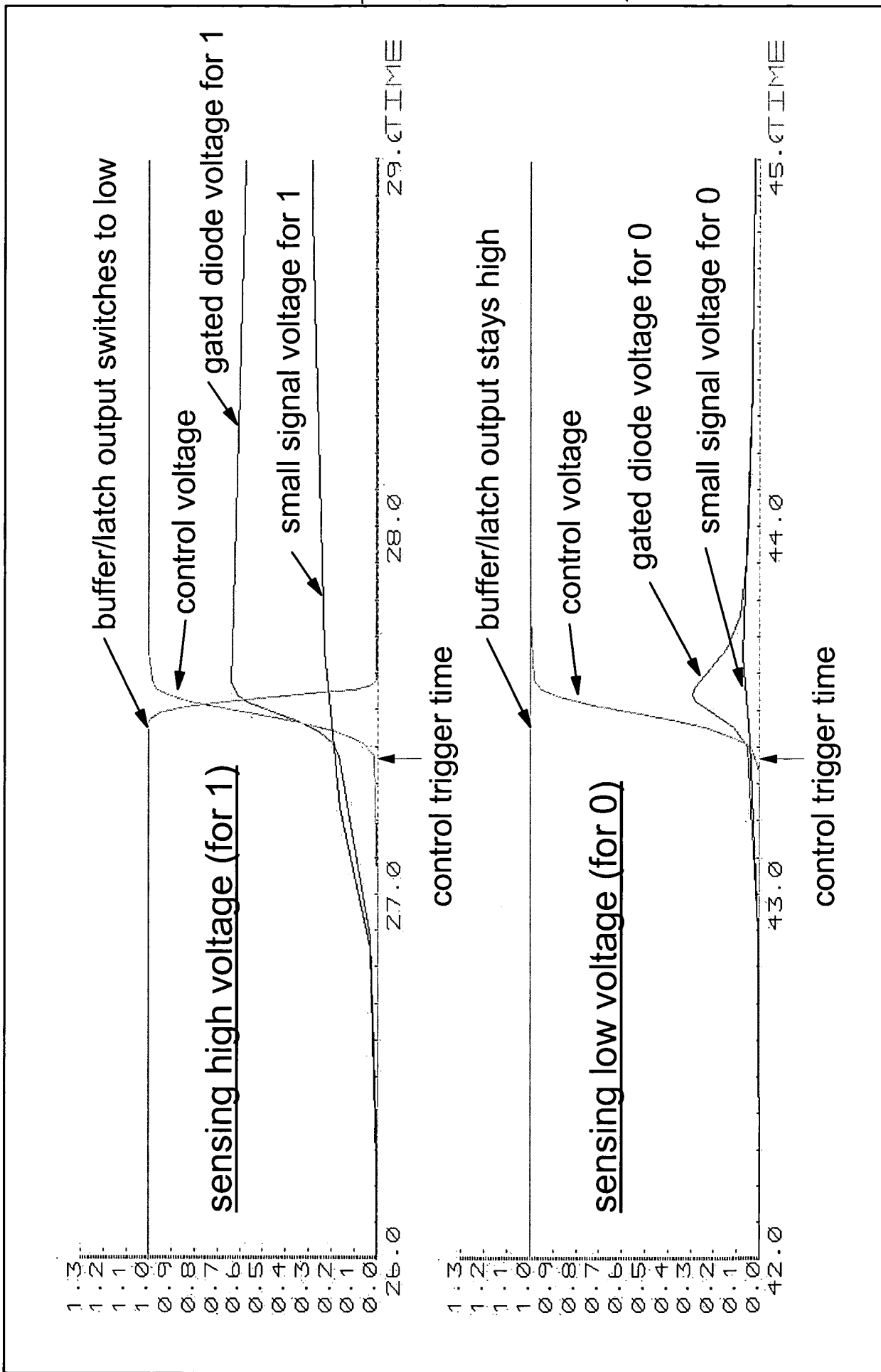
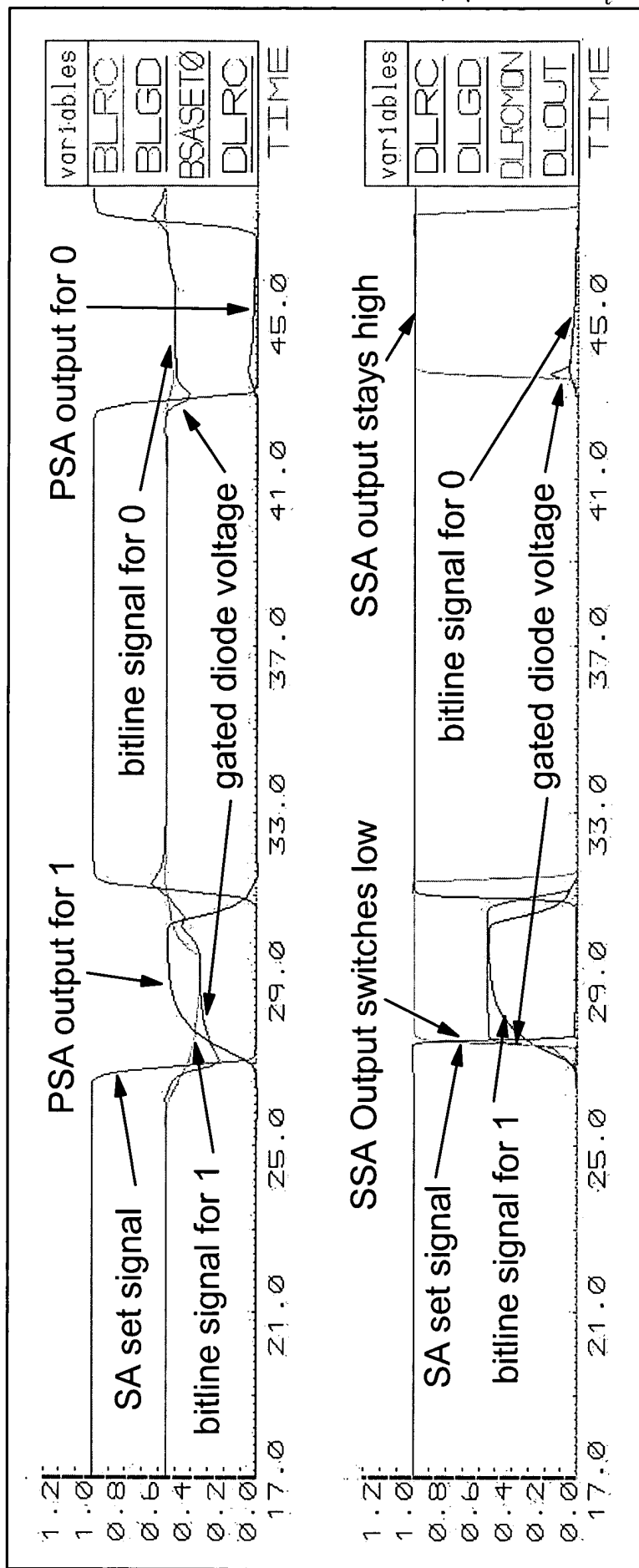


FIG. 19B



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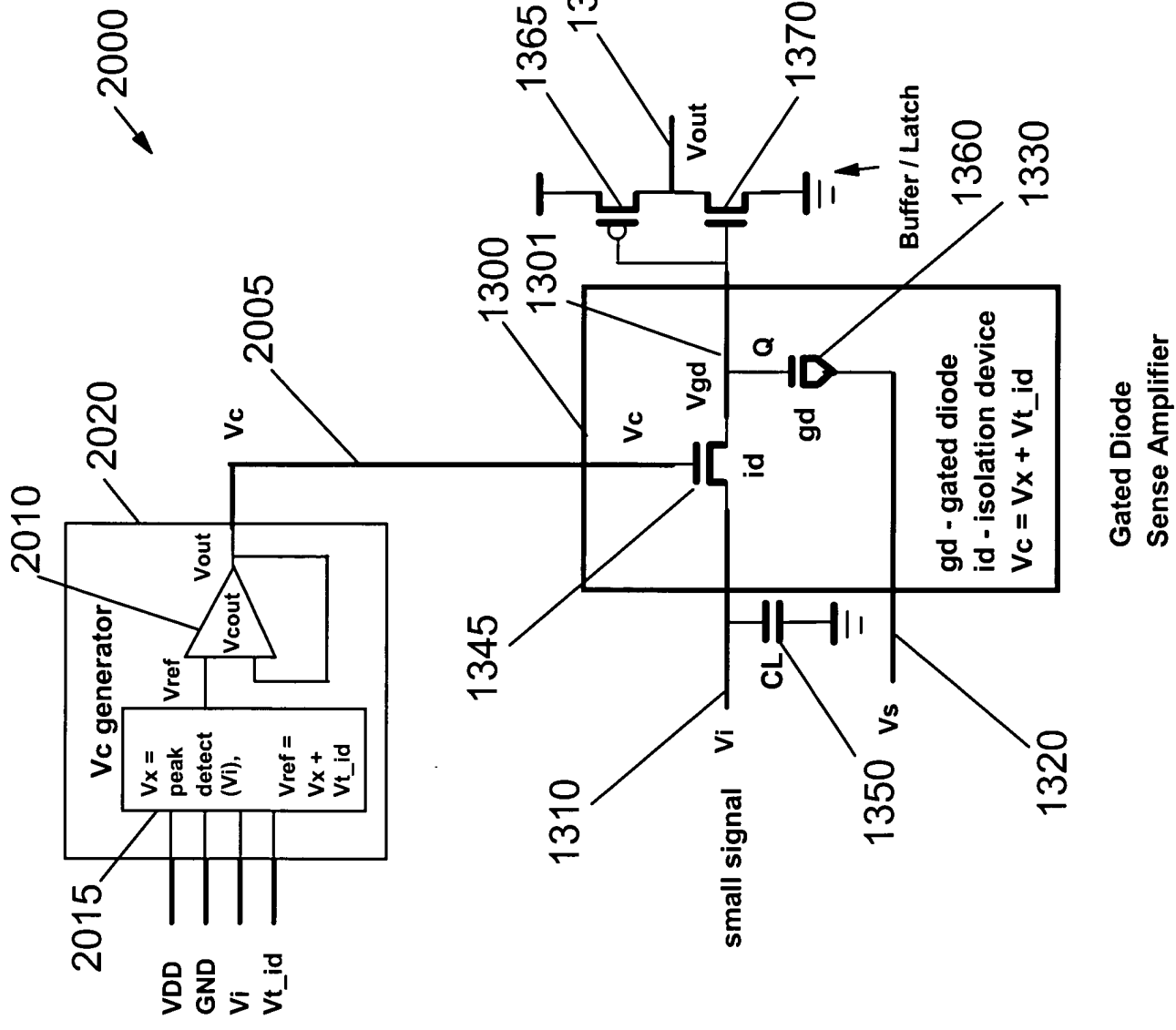


FIG. 20A

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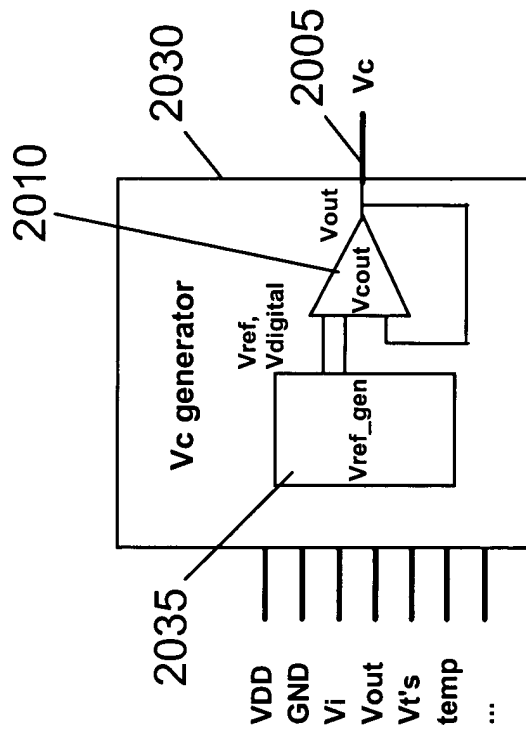


FIG. 20B